

TABLE 1: SOIL SAMPLE RESULTS																							
	SITE SAMPLES															BACKGROUND			MEDEP GUIDELINES				
Sample ID	B-02	B-03	B-06	B-09	B-10	B-11	B-12	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10	BK-B-01	BK-SS-02	BK-SS-03	Res.	Park User	Commercial Outdoor Worker	Excavation or Construction Worker	
Date	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10				
Depth	2-4'	0-2'	4-5'	4-7'	0-4'	0-4'	0-4'	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-2'	0-6"	0-6"					
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				
Arsenic	11	14	7.8	NA	19	13	12	11	14	NA	NA	11	NA	NA	15	14	25	14	0.14	0.42	0.23	4.2	
Cadmium	ND	ND	ND	NA	ND	0.3	ND	0.3	5.4	NA	NA	ND	NA	NA	3.5	ND	ND	ND	2.1	19	3.6	3.9	
Lead	26	5.9	26	NA	23	43	47	31	70	NA	NA	11	NA	NA	80	35	7.2	30	170	560	280	950	
% Solid	80.5	81.7	86.4	81.7	76.8	77.3	66.5	94	78.5	84.9	75.8	89.9	82	72.4	79.6	77	86.8	92.3					
4-isoproyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	NA	NA	ND	ND	NA	NA					
Tetrachloroethene	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	NA	2.6	8.8	4.4	79	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	ND	NA	NA	ND	ND	NA	NA	2,700	4,500	10,000	10,000	
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	ND	NA	NA	ND	ND	NA	NA	6,600	10,000	10,000	7,000	
1,2,4 trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	NA	NA	ND	ND	NA	NA					
All Other VOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	NA					
Toluene	ND	ND	ND	NA	ND	0.2	0.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	2,700	4,500	10,000	10,000	
Total Xylenes	ND	ND	ND	NA	ND	ND	0.4	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	6,600	10,000	10,000	7,000	
C9-C12 Aliphatics	ND	ND	ND	NA	ND	34	13	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	2,600	4,400	10,000	9,800	
All Other VPH Compounds	ND	ND	ND	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA					
phenanthrene	NA	NA	NA	NA	NA	NA	NA	ND	1.2	ND	ND	ND	NA	NA	1.5	NA	NA	NA	700	1,200	3,600	470	
fluoranthene	NA	NA	NA	NA	NA	NA	NA	ND	3.5	ND	1.8	ND	NA	NA	4.3	NA	NA	NA	1,000	1,700	7,300	10,000	
pyrene	NA	NA	NA	NA	NA	NA	NA	ND	3	ND	1.5	ND	NA	NA	3.6	NA	NA	NA	750	1,200	5,500	10,000	
benzo[a]anthracene	NA	NA	NA	NA	NA	NA	NA	ND	1.5	ND	0.8	ND	NA	NA	2	NA	NA	NA	0.26	0.44	3.50	43	
chrysene	NA	NA	NA	NA	NA	NA	NA	ND	2	ND	1.1	ND	NA	NA	2.4	NA	NA	NA	26	44	350	4,300	
benzo[b]fluoranthene	NA	NA	NA	NA	NA	NA	NA	ND	2	ND	0.9	ND	NA	NA	2.1	NA	NA	NA	0.26	0.44	3.50	43	
benzo[k]fluoranthene	NA	NA	NA	NA	NA	NA	NA	ND	1.3	ND	0.9	ND	NA	NA	2.3	NA	NA	NA	2.60	4.40	35	430	
benzo[a]pyrene	NA	NA	NA	NA	NA	NA	NA	ND	1.6	ND	1	ND	NA	NA	2.2	NA	NA	NA	0.03	0.04	0.35	4.30	
indeno[1,2,3-cd]pyrene	NA	NA	NA	NA	NA	NA	NA	ND	0.8	ND	ND	ND	NA	NA	0.9	NA	NA	NA	0.26	0.44	3.50	43	
benzo[g,h,i]perylene	NA	NA	NA	NA	NA	NA	NA	ND	1	ND	ND	ND	NA	NA	1	NA	NA	NA	750	1,200	5,500	10,000	
All Other PAHs	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA					
All PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA					
naphthalene	0.2	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	2.9	NA	NA	200	330	200	32	
2-methylnaphthalene	0.2	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA	NA					
phenanthrene	2.1	2.3	16	ND	0.6	0.2	0.6	NA	NA	NA	NA	NA	NA	NA	NA	3.2	NA	NA	700	1,200	3,600	470	
acenaphthene	ND	ND	4.2	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	970	1,600	2,000	110	
ancenathylene	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	1.6	NA	NA	1,000	1,700	2,200	130	
fluorene	ND	0.1	3.2	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.4	NA	NA	830	1,400	2,700	200	
anthracene	0.3	0.6	4.2	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA	NA	4,300	7,200	7,800	430	
fluoranthene	5.3	6.6	29	ND	1.6	0.3	1	NA	NA	NA	NA	NA	NA	NA	NA	8	NA	NA	1,000	1,700	7,300	10,000	
pyrene	3.4	5.1	22	ND	1.1	0.2	0.9	NA	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	750	1,200	5,500	10,000	
benzo[a]anthracene	2.9	2.8	9.9	ND	0.8	ND	0.5	NA	NA	NA	NA	NA	NA	NA	NA	4.6	NA	NA	0.26	0.44	3.50	43	
chrysene	3.2	2.5	8.8	ND	0.8	0.2	0.6	NA	NA	NA	NA	NA	NA	NA	NA	4.5	NA	NA	26	44	350	4,300	
benzo[b]fluoranthene	2.8	1.5	5	ND	0.8	0.1	0.5	NA	NA	NA	NA	NA	NA	NA	NA	5.6	NA	NA	0.26	0.44	3.50	43	
benzo[k]fluoranthene	2.4	2.2	6.4	ND	0.6	ND	0.5	NA	NA	NA	NA	NA	NA	NA	NA	5.1	NA	NA	2.60	4.40	35.00	430	
benzo[a]pyrene	2.2	2.1	6.7	ND	0.7	ND	0.5	NA	NA	NA	NA	NA	NA	NA	NA	6	NA	NA	0.03	0.04	0.35	4.30	
indeno[1,2,3-cd]pyrene	1.2	1.1	3.2	ND	0.4	ND	0.2	NA	NA	NA	NA	NA	NA	NA	NA	2.4	NA	NA	0.26	0.44	3.50	43.00	
dibenzo[a,h]anthracene	0.7	0.6	1.8	ND	0.2	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	0.03	0.04	0.35	4.30	
benzo[g,h,i]perylene	1	1	3.4	ND	0.4	ND	0.2	NA	NA	NA	NA	NA	NA	NA	NA	2	NA	NA	750	1,200	5,500	10,000	
C11-C22 Aromatics	ND	ND	190	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	190	NA	NA	36	NA	4,500	4,700	
All Other EPH Compounds	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA					

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Notes:
mg/kg = milligrams per kilogram
B-12 is a duplicate of B-11
SS-10 is a duplicate of SS-04

3.2.2.2 Ground Water Samples

Ground water samples were collected from four monitoring wells installed on-site. Analytical results indicate that elevated arsenic concentrations were present in MW-02 (and its duplicate MW-08). The elevated arsenic may be due to on-site activities, however due to the inability to install a background location it is unknown if the factors contributing to the site soil results may also be influencing ground water. In addition, elevated PAHs were detected in MW-11. As with the arsenic, these results may be influenced by off-site sources.

See Table 2 for sample results.

Table 2: Ground Water Sample Results							
Sample ID	MW-02	MW-08	MW-09	MW-10	MW-11		
Date	26-Oct	26-Oct	26-Oct	26-Oct	26-Oct		
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Arsenic	17	16	9	ND	ND		10
Cadmium	ND	ND	ND	ND	ND		3.5
Lead	ND	ND	ND	ND	ND		10
All VOCs	ND	ND	ND	ND	NA		
All VPH Compounds	ND	ND	ND	ND	NA		
phenanthrene	ND	ND	ND	ND	0.5	200	
fluoranthene	ND	ND	ND	ND	0.6	300	
pyrene	ND	ND	ND	ND	0.6	200	
chrysene	ND	ND	ND	ND	0.6	50	
benzo[b]fluoranthene	ND	ND	ND	ND	0.8	0.5	
benzo[a]pyrene	ND	ND	ND	ND	0.3	0.05	
C19-C36 Aliphatics	ND	ND	ND	800	110	10,000	
C11-C22 Aromatics	ND	ND	120	ND	ND	200	
All Other EPH Compounds	ND	ND	ND	ND	ND		

Notes:

MW-08 is a duplicate of MW-02

ug/L = micrograms per liter

3.2.2.3 Soil Gas

Due to the presence of residences surrounding the property and its past usage as an automotive repair facility, one soil gas probe (pore water sampler) was installed through the slab of the Depot building and the former garage building. In addition, one soil gas probe was installed within the crawlspace beneath the storage building.

Results indicated that low concentrations of petroleum constituents were present in all three of the samples. Sample SG-2 (and its duplicate SG-2A) reported the highest concentrations and is located immediately beneath the slab of the garage building with the floor drain. As the samples collected were soil gas and not indoor air samples the Maine Center for Disease Control's Draft Indoor Air Target (IAT) numbers for residential and commercial applications cannot be used for direct comparison. MEDEP guidance for soil vapor sampling uses an

attenuation factor of 50 times the IAT when evaluating the potential for soil vapors to become an indoor air concern. Based upon these calculations; concentrations of the compounds detected would not be expected to exceed their respective indoor air target guideline.

See Table 3 for analytical results.

Table 3: Soil Vapor Sample Results						
Sample ID	SG-01	SG-02	SG-02A	SG-03	Residential Multiple Contaminant	Commercial Multiple Contaminant
Date	10/26/10	10/26/10	10/26/10	10/26/10		
	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
1,1,1-Trichloroethane	ND	2.13	1.87	ND	50000	220000
Tetrachloroethene	ND	2.79	3.01	ND	90	105
All Other TO-15 Compounds	ND	ND	ND	ND		
Benzene	ND	2.4	ND	ND	65	80
Toluene	ND	15	13	ND	50000	220000
C5-C8 Aliphatics	ND	180	120	14	2100	9000
Ethylbenzene	ND	3	3	ND	210	245
Total Xylenes	ND	13.9	14.2	ND	3150	4400
C9-C12 Aliphatics	46	580	560	30	6500	9000
C9-C10 Aromatics	ND	49	51	ND	5000	2200
All Other APH Compounds	ND	ND	ND	ND		

Notes:

ug/m³ =micrograms per cubic meter

SV-02A is a duplicate of SV-02

3.2.2.4 Asbestos Containing Materials

Garage

The Garage building consists of a two-story, wood framed structure with a metal roof. Fifteen (15) samples of suspect ACM were collected from the interior and exterior of the structure including:

- One type of roofing material, including tar paper underlayment under the metal roof;
- Miscellaneous pile of asphalt shingles located in front of the building;
- One type of sheet flooring and associated flooring adhesive; and
- One type of felt paper underlayment associated with the exterior wood siding.

Laboratory analytical results indicated that asbestos was not identified in the suspect materials sampled.

Depot Building

The Depot Building consists of a single-story wood framed structure constructed on a concrete slab, with an asphalt shingled roof. Six (6) samples of suspect ACM were collected from the interior and exterior of the structure. Suspect materials sampled included:

- One type of asphalt roofing shingles; and
- One type of felt paper underlayment associated with the exterior wood siding.

Laboratory analytical results indicated that asbestos was not identified in the suspect materials sampled.

Storage Building

The Storage Building consists of a single-story wood framed structure with a metal roof. Thirty-three (33) samples of suspect ACM were collected from the interior and exterior of the structure. Suspect materials sampled included:

- Two types of sheet flooring and associated flooring adhesive;
- Two types of 12-inch by 12-inch floor tile and associated flooring adhesive;
- One type of wall board material (sheetrock);
- One type of ceiling tile; and
- One type of safe fire door insulation.

Laboratory analytical results identified the following materials as ACM:

- Tan 12-inch by 12-inch floor tile (approximately 400 Square feet in the former offices).

3.2.2.5 Lead-Based Paint

Atlantic Environmental Services completed a lead-based paint inspection on November 4, 2010 at the Site.

Storage Building

The interior consisted of sheetrock, panel and wood walls with new window units and a new main entry. Lead-based paint was identified on the interior of the building (walls in the rear of the building) and on the exterior of the building (siding and all trim). The condition ranges from good-fair on the interior to fair-poor on the exterior.

2-Story Building

The interior of the 2-story building consists of mostly natural components with a few exceptions (i.e. painted ceiling and wall boards) which tested negative for lead-based paint. The exterior consists of shingle/clapboard siding, soffit, fascia, upper trim and window/door trim that all tested positive for lead-based paint and is in poor condition.

Depot Building

The interior of the depot building including the office and the three 'bays', consists of wood ceilings, wood walls, chair rails, window sashes and trim and door trim that all tested positive for lead-based paint and all of which is in poor condition. The exterior consists of siding, soffit, fascia, and knee brackets that all tested positive for lead-based paint and is in poor condition. Please Note: the dormer was inaccessible however the components should be assumed positive for the purposes of this report.

The full report (which includes tables and figures) is included as Appendix E.

4.0 CONCLUSIONS

4.1 VERIFICATION OF CONCEPTUAL SITE MODEL

Geologic and hydrogeologic data collected from soil borings along with visual observations of site topography and drainage are consistent with the Conceptual Site Model. Soil encountered

in borings at the Site typically consisted of dense sand and gravel extending to between two and twelve feet where refusal was encountered on dolomite.

Based upon field observations, field screening results, and laboratory analytical results, Summit concludes that although minor surface soil impacts are present at the Site, these results are representative of an area-wide industrial use and not a site-specific issue. That being said, however, the sample collected at SS-04 (and its duplicate SS-10) reported cadmium above the Residential, Outdoor Worker, and Excavation/Construction Worker standards.

Under current conditions, exposure risk is minimal. However, the Site is not secure and the surface sample results indicate a potential contact threat. Soil surrounding SS-04 in the gravel parking area should be removed to eliminate the direct contact threat. In addition, the coal should be removed and the soil beneath it sampled to determine if localized impacts are present.

Although low concentrations of groundwater impacts (PAHs) were reported in MW-11, the location and low levels of the concentrations do not appear to be a threat to surrounding properties due to the presence of public drinking water in the immediate vicinity of the Site.

A potential future pathway for exposure to site contaminants may exist for future site workers that could have direct contact with contaminants as a result of excavations and soil disturbance.

4.2 EVALUATION OF MEDIA QUALITY

Soil and ground water samples were delivered to Resource on October 27, 2010 after collection. Once delivered to the laboratory, the samples were analyzed to minimize contaminant loss.

Samples were delivered within the applicable holding times and within the specified temperature range. Copies of the chains of custody are included at the end of Appendix B.

Duplicate sample results for the B-12 (0-4') and SS-04 soil samples and MW-02 groundwater samples reported that there was no issues with relative percent difference (RPD) with these samples.

Summit obtained sample results from Resource on November 19, 2010. Included in the sample results package was a copy of QA data for VOCs, metals, PCBs, VPH, and EPH. The lab did not indicate interferences or problems had occurred in the analytical stages or handling of the samples.

Summit shipped the soil gas samples to Alpha on October 30, 2010 after collection and received confirmation of their delivery on November 2, 2010 at 10:00 am (within holding time). Summit obtained analytical results from Alpha on November 9, 2010.

A duplicate sample collected for SG-02 (labeled SG-02A) did not report results outside of the acceptable RPD for this sample.

4.3 AFFECTED MEDIA

Soil samples from the parking area (SS-04 and its duplicate SS-10) collected at the Site, as part of Phase II activities reported elevated cadmium results above the Residential, Outdoor Construction Worker, and Excavation/Construction Worker RAGs. All other site samples were either within the background ranges or non-detect for the analytes.

A groundwater sample collected from MW-11 reported elevated PAHs above the MEGs. These results may not be attributable to on-site activities, however, as it was the only sample with elevated PAHs documented on the Site and no background location was able to be established

due to shallow bedrock. Analytical results for all other samples collected were either below these guidelines or non-detect for the analytes.

Soil gas samples reported low concentrations of petroleum constituents below the Maine CDC indoor air targets.

5.0 RECOMMENDATIONS

Based on these findings, Summit recommends the following:

1. Cadmium impacts reported at SS-04 should be delineated and remediated prior to redevelopment of the property.
2. The coal should be removed from the property and the soil beneath it tested to determine if impacts are present above remedial action standards.
3. In general, the ACM floor tile identified within the Storage Building was observed to be in good condition. Should this material be impacted by future renovations or demolition, the floor tile must be removed prior to commencement of these activities. ACM abatement must be performed using approved methods in accordance with applicable regulations established by the USEPA, OSHA and the MEDEP.
4. If redevelopment of the site buildings is to include the removal of paint from surfaces, lead-based paint abatement must be performed using approved methods in accordance with applicable regulations established by the USEPA, OSHA and the MEDEP.
5. In order to maintain a release of liability letter from the DEP, potential owners/developers should comply with the existing Voluntary Response Action Program (VRAP) No Action Assurance Letter.

6.0 SIGNATURE AND QUALIFICATIONS

Summit performed services in a manner consistent with the guidelines set forth in the American Society for Testing and Materials (ASTM) E 1903-97 (Standard Practices for Environmental Site Assessments: Phase II Environmental Site Assessment Process).

The following Summit personnel possess the sufficient training and experience necessary to conduct a site reconnaissance, interviews, and other activities in accordance with this practice, and from the information generated by such activities, have the ability to develop opinions and conclusions regarding recognized environmental conditions in connection with the property in question.



John K. Cressey
Project Scientist

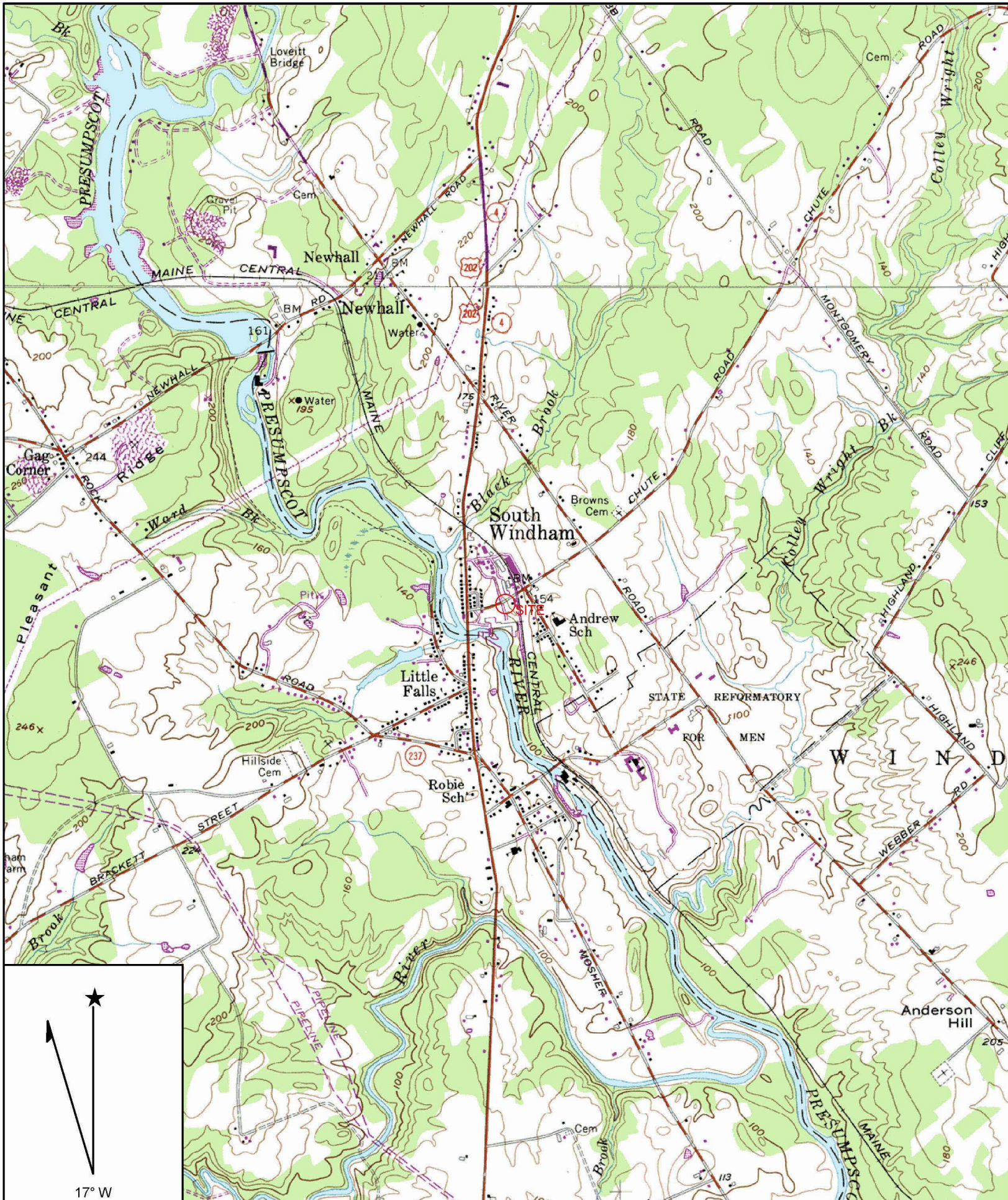


Michael A. Deyling, C.G., P. Hg.
President, Principal Hydrogeologist

FIGURES

Figure 1: Site Location Map

Figure 2: Boring Location Map



Name: GORHAM
 Date: 7/19/2010
 Scale: 1 inch equals 2000 feet

Location: 043° 44' 07.4" N 070° 25' 25.7" W
 Caption: Figure 3-1: Site Location
 13 Depot Street
 Windham, Maine

VIL_RESP01884



Map Notes:

- Sample location features were collected using a Trimble ProXR GPS Unit. Point locations have an accuracy of < 1 meter and all other features +/- 3 meters.
- Background hydrologic, topographic and political features are from MEGIS data layers with an accuracy of +/- 40 ft.
- All spatial data is projected to NAD 1983 UTM Zone 19.
- All spatial data specific to Maine DEP Bureau of Remediation and Waste Management programs are post-processed, geo-referenced and maintained by John Lynam and Chris Halsted of the Maine DEP GIS Unit.
- This map is to be used for reference purposes only and does not represent authoritative locations of displayed features.



- MONITORING WELL
- SOIL BORING
- SOIL GAS SAMPLE
- SOIL SAMPLE
- REFERENCE POINT
- GROUNDWATER CONTOUR



Map Prepared By: Chris Halsted, Maine DEP GIS Unit, 12/16/2010

VIL_RESP01885

APPENDIX A
LOGS

BORING LOGS

VIL_RESP01887

SUMMIT ENVIRONMENTAL CONSULTANTS, INC. 640 Main Street Lewiston, Maine 04240					SOIL BORING LOG			Boring #: B-01	
Drilling Co: EPI Personnel: Dave, Brian Summit Staff: JBR					Project: Site Investigation Location: 13 Depot Street, Windham, Maine			Project #: 16989.4 Sheet: Chkd by:	
Boring Location: North of storage building Elevation:					Date started: 10/26/2010 Date Completed: 10/26/2010				
DRILLING METHOD		SAMPLER			ESTIMATED GROUND WATER DEPTH				
Vehicle:	Geoprobe	Type:	4' Steeve		Date	Depth	Reference	Groundwater Elevation	
Model:		Hammer:	NA				Ex. Grade		
Method:	Dual Tube	Fall:	NA				Top of PVC		
Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION		Stratum	Field Screening (ppmv)	
	S1				Brown sand w/loam and gravel Black sand, moist, no odor Grey sand, moist, no odor			0.4 ppm	
2									
4									
6					Grey clay silt above refusal Refusal @ 4.5 ft. to 5 ft.				
8									
10									
12									
14									
16									
18									
20									
Granular Soils		Cohesive Soils		% Composition	NOTES: 1. Field screening results in parts per million by volume (ppmv). 2. MiniRae 3000 calibrated 10/26/10 with 100 ppm ISO and set point = 1.0.				
Blows/ft.	Density	Blows/ft.	Consistency						
0-4	V. Loose	<2	V. soft						
4-10	Loose	2-4	Soft	<5% trace					
10-30	Compact	4-8	Firm	5-15 little					
30-50	Dense	8-15	Stiff	15-25 some					
>50	V. Dense	15-30	V. Stiff	>25 and					
		>30	Hard						

VIL_RESP01888

SUMMIT ENVIRONMENTAL CONSULTANTS, INC. 640 Main Street Lewiston, Maine 04240					SOIL BORING LOG		Boring #: B-02/MW-02	
Project: Site Investigation Location: 13 Depot Street, Windham, Maine					Project #: 16989.4 Sheet: Chkd by:			
Drilling Co: EPI Personnel: Dave, Brian Summit Staff: JBR					Boring Location: South of RR Station building Elevation: Date started: 10/26/2010 Date Completed: 10/26/2010			
DRILLING METHOD		SAMPLER		ESTIMATED GROUND WATER DEPTH				
Vehicle:	Geoprobe	Type:	4' Sleeve	Date	Depth	Reference	Groundwater Elevation	
Model:		Hammer:	NA			Ex. Grade		
Method:	Dual Tube	Fall:	NA			Top of PVC		
Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION		Stratum	Field Screening (ppmv)
	S1				Dark Brown silty loam, moist Brick fragments			0
2					Black silty sand			
4					Same as above			
	S2							0.1
6								
8					Grey silt with gravel, saturated Refusal @ 8 ft.			
10					Lab sample 2-4 ft. PCB, EPH, VOC, VPH Metals			
12					Set screen at 5-8 ft.			
14								
16								
18								
20								
Granular Soils		Cohesive Soils		% Composition		NOTES: 1. Field screening results in parts per million by volume (ppmv).		
Blows/ft.	Density	Blows/ft.	Consistency					
0-4	V. Loose	<2	V. soft	<5%	trace			
4-10	Loose	2-4	Soft	5-15	little			
10-30	Compact	4-8	Firm	15-25	some			
30-50	Dense	8-15	Stiff	>25	and			
>50	V. Dense	15-30	V. Stiff					
		>30	Hard					

VIL_RESP01889

SUMMIT ENVIRONMENTAL CONSULTANTS, INC. 640 Main Street Lewiston, Maine 04240					SOIL BORING LOG			Boring #: B-03	
Project: Site Investigation					Project #: 16989.4			Sheet:	
Location: 13 Depot Street, Windham, Maine					Chkd by:				
Drilling Co: EPI					Boring Location: Former AST area				
Personnel: Dave, Brian					Elevation:				
Summit Staff: JBR					Date started: 10/26/2010 Date Completed: 10/26/2010				
DRILLING METHOD		SAMPLER			ESTIMATED GROUND WATER DEPTH				
Vehicle: Geoprobe		Type: 4' Sleeve			Date	Depth	Reference	Groundwater Elevation	
Model:		Hammer: NA					Ex. Grade		
Method: Dual Tube		Fall: NA					Top of PVC		
Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION			Stratum	Field Screening (ppmv)
2	S1				Brown loam				0.2
					Brown Sand				
					Olive silt, dry, stiff				
4									0
	S2				Brown silt, very fine Sand, dry				
6					Refusal @ 6 ft.				
8					Lab Sample 0-2 ft.				
					PCB, EPH, VPH, VOL				
					Metals				
10									
12									
14									
16									
18									
20									
Granular Soils		Cohesive Soils		% Composition		NOTES:			
Blows/ft.	Density	Blows/ft.	Consistency			1. Field screening results in parts per million by volume (ppmv).			
0-4	V. Loose	<2	V. soft	<5%	trace				
4-10	Loose	2-4	Soft	5-15	little				
10-30	Compact	4-8	Firm	15-25	some				
30-50	Dense	8-15	Stiff	>25	and				
>50	V. Dense	15-30	V. Stiff						
		>30	Hard						

SUMMIT ENVIRONMENTAL CONSULTANTS, INC. 640 Main Street Lewiston, Maine 04240					SOIL BORING LOG		Boring #: B-04	
Project: Site Investigation					Project #: 16989.4		Sheet:	
Location: 13 Depot Street, Windham, Maine					Chkd by:			
Drilling Co: EPI					Boring Location: South of railroad station building.			
Personnel: Dave, Brian					Elevation:			
Summit Staff: JBR					Date started: 10/26/2010 Date Completed: 10/26/2010			
DRILLING METHOD		SAMPLER			ESTIMATED GROUND WATER DEPTH			
Vehicle: Geoprobe	Type: 4' Sleeve	Date		Depth	Reference	Groundwater Elevation		
Model:	Hammer: NA				Ex. Grade			
Method: Dual Tube	Fall: NA				Top of PVC			
Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION		Stratum	Field Screening (ppmv)
	S1				Brown sandy loam Medium Sand @ bottom			0.0
2								
4								
	S2				Brown silt, sand (no significant recovery)			0.0
6								
8								
	S3				Grey olive silt			
10								
12								
					Refusal at 11.9 ft.			
14								
16								
18								
20								
Granular Soils		Cohesive Soils		% Composition		NOTES:		
Blows/ft.	Density	Blows/ft.	Consistency			1. Field screening results in parts per million by volume (ppmv).		
0-4	V. Loose	<2	V. soft	<5%	trace			
4-10	Loose	2-4	Soft	5-15	little			
10-30	Compact	4-8	Firm	15-25	some			
30-50	Dense	8-15	Stiff	>25	and			
>50	V. Dense	15-30	V. Stiff					
		>30	Hard					

SUMMIT ENVIRONMENTAL CONSULTANTS, INC. 640 Main Street Lewiston, Maine 04240					SOIL BORING LOG			Boring #: B-05	
Drilling Co: EPI Personnel: Dave, Brian Summit Staff: JBR					Project: <u>Site Investigation</u> Location: <u>13 Depot Street, Windham, Maine</u>			Project #: Sheet: Chkd by:	
Boring Location: <u>East of RR station building</u> Elevation: Date started: <u>10/26/2010</u> Date Completed: <u>10/26/2010</u>									
DRILLING METHOD		SAMPLER			ESTIMATED GROUND WATER DEPTH				
Vehicle:	<u>Geoprobe</u>	Type:	<u>4' Sleeve</u>			Date	Depth	Reference	Groundwater Elevation
Model:		Hammer:	<u>NA</u>					<u>Ex. Grade</u>	
Method:	<u>Dual Tube</u>	Fall:	<u>NA</u>					<u>Top of PVC</u>	
Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION		Stratum	Field Screening (ppmv)	
	S1				Black and brown Sand			0.5	
2					Grey and black silt @ around 3 ft.				
					Black fragments - coal like				
4								0.1	
	S2				Dark Grey Silt, stiff				
6					Olive Silt, Saturated @ 7 ft.				
8									
	S3				Brown Silt, very fine, Sand, Saturated			0.1	
10									
12					Refusal @ 11 ft.				
14									
16									
18									
20									
Granular Soils		Cohesive Soils		% Composition		NOTES: 1. Field screening results in parts per million by volume (ppmv).			
Blows/ft.	Density	Blows/ft.	Consistency						
0-4	V. Loose	<2	V. soft	<5%	trace				
4-10	Loose	2-4	Soft	5-15	little				
10-30	Compact	4-8	Firm	15-25	some				
30-50	Dense	8-15	Stiff	>25	and				
>50	V. Dense	15-30	V. Stiff						
		>30	Hard						

SUMMIT ENVIRONMENTAL CONSULTANTS, INC. 640 Main Street Lewiston, Maine 04240					SOIL BORING LOG			Boring #: B-06	
Drilling Co: EPI Personnel: Dave, Brian Summit Staff: JBR					Project: Site Investigation Location: 13 Depot Street, Windham, Maine			Project #: 16898.4 Sheet: Chkd by:	
Boring Location: Former UST area Elevation:					Date started: 10/26/2010 Date Completed: 10/26/2010				
DRILLING METHOD		SAMPLER			ESTIMATED GROUND WATER DEPTH				
Vehicle:	Geoprobe	Type:	4' Sleeve		Date	Depth	Reference	Groundwater Elevation	
Model:		Hammer:	NA				Ex. Grade		
Method:	Dual Tube	Fall:	NA				Top of PVC		
Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION		Stratum	Field Screening (ppmv)	
	S1				Grey and brown sand			0.2	
2					Black layers @ 3-4 ft.				
4	S2				Olive silt, very fine sand/Silt, Moist, stiff			0.2	
6					Refusal @ 7 ft.				
8					Lab Sample @ 4-5 ft. PCB, EPH, VOC, VPH Metals				
10									
12									
14									
16									
18									
20									
Granular Soils		Cohesive Soils		% Composition	NOTES: 1. Field screening results in parts per million by volume (ppmv).				
Blows/ft.	Density	Blows/ft.	Consistency						
0-4	V. Loose	<2	V. soft	<5% trace					
4-10	Loose	2-4	Soft	5-15 little					
10-30	Compact	4-8	Firm	15-25 some					
30-50	Dense	8-15	Stiff	>25 and					
>50	V. Dense	15-30	V. Stiff						
		>30	Hard						

SUMMIT ENVIRONMENTAL CONSULTANTS, INC. 640 Main Street Lewiston, Maine 04240					SOIL BORING LOG			Boring #: B-07	
Drilling Co: <u>EPI</u> Personnel: <u>Dave, Brian</u> Summit Staff: <u>JBR</u>					Project: <u>Site Investigation</u> Location: <u>13 Depot Street, Windham, Maine</u>			Project #: _____ Sheet: _____ Chkd by: _____	
Boring Location: <u>Box car area</u> Elevation: _____ Date started: <u>10/26/2010</u> Date Completed: <u>10/26/2010</u>									
DRILLING METHOD		SAMPLER			ESTIMATED GROUND WATER DEPTH				
Vehicle:	<u>Geoprobe</u>	Type:	<u>4' Sleeve</u>			Date	Depth	Reference	Groundwater Elevation
Model:		Hammer:	<u>NA</u>					<u>Ex. Grade</u>	
Method:	<u>Dual Tube</u>	Fall:	<u>NA</u>					<u>Top of PVC</u>	
Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION		Stratum	Field Screening (ppmv)	
	<u>S1</u>				Brown Sand, dry			0.4	
2					Olive Silt, dry, stiff				
4					Silt, very fine, sand @ bottom dry			0.3	
	<u>S2</u>				Same as above				
6									
8					Brown @ bottom				
					Refusal @ around 8 ft.				
10									
12									
14									
16									
18									
20									

Granular Soils		Cohesive Soils		% Composition		NOTES:
Blows/ft.	Density	Blows/ft.	Consistency			
0-4	V. Loose	<2	V. soft	<5%	trace	1. Field screening results in parts per million by volume (ppmv).
4-10	Loose	2-4	Soft	5-15	little	
10-30	Compact	4-8	Firm	15-25	some	
30-50	Dense	8-15	Stiff	>25	and	
>50	V. Dense	15-30	V. Stiff			
		>30	Hard			